## PATENT COOPERATION TREATY

### From the INTERNATIONAL BUREAU

NOTIFICATION CONCERNING TRANSMITTAL OF COPY OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OF THE PATENT COOPERATION TREATY)

(PCT Rule 44bis.1(c))

To:

SPAETH, Frederick, Cantor Colburn LLP 55 Griffin Road South Bloomfield, CT 06002 ETATS-UNIS D'AMERIQUE DEC 0 7 2007

CANTOR COLBURN LLP

Date of mailing (day/month/year) 29 November 2007 (29.11.2007)

Applicant's or agent's file reference dni-0024-pct

IMPORTANT NOTICE

International application No. PCT/US2004/013340 International filing date (day/month/year) 30 April 2004 (30.04.2004)

Priority date (day/month/year) 30 April 2003 (30.04.2003)

Applicant

DYNO NOBEL, INC. et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

> The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

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Form PCT/IB/326 (January 2004)

## PATENT COOPERATION TREATY

## PCT

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference dni-0024-pct	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/US2004/013340	International filing date (day/month/year) 30 April 2004 (30.04,2004)	Priority date (day/month/year) 30 April 2003 (30.04.2003)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant DYNO NOBEL, INC.				

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 <i>bis</i> .1(a).				
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.				
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
3.	This report contains indications relating to the following items:				
	Box No. I	Basis of the report			
	Box No. II	Priority			
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the	e international application		
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44 <i>bis</i> .3(c) and 93 <i>bis</i> .1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44 <i>bis</i> .2).				
			Date of issuance of this report 19 November 2007 (19.11.2007)		
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		mbettes	Authorized officer Nora Lindner		
Facsimile No. +41 22 338 82 70		i de la comunicación de la comun	e-mail: pt02.pct@wipo.int		

Form PCT/IB/373 (January 2004)

## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY						
To: FREDERIC A. SPAETH CANTOR COLBURN LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002		PCT  WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
				(PCT Rule 43 <i>bis</i> .1)		
				Date of mailing (day/month/year) 07 NOV 2007		
Applican	t's or agent's file i	reference		FOR FURTHER ACTION		
DNI-0024				See paragraph 2 below		
Internatio	nal application N	D.	International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US0			30 April 2004 (30.04.20		30 April 2003 (30.04.2003)	
1			r both national classificat	ion and IPC		
IPC: USPC:	C06C 5/00( 2006 102/275,3	.01),5/04( 200	6.01)			
Applicant						
DYNO N	OBEL INC					
1. This	opinion contains i	ndications rela	ting to the following item	s:		
	Box No. I Basis of the opinion					
	Box No. II Priority					
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			entive step and industrial applicability		
Box No. IV Lack of unity of invention			·			
	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			o novelty, inventive step or industrial tatement		
	Box No. VI	Certain docu	ments cited			
	Box No. VII	Certain defec	ets in the international app	lication		
	Box No. VIII	Certain obse	rvations on the internation	al application		
2. FUR	THER ACTIO	N				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("PEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
For further options, see Form PCT/ISA/220.						
3. For further details, see notes to Form PCT/ISA/220.						
Name and	mailing address o	f the ISA/IIS	Date of complete	on of this opinion	Authorized officer	
M C	Iail Stop PCT, Attn: ommissioner for Par O. Box 1450	ISA/US	23 July 2007 (23	•	Michael Carone V Hand	
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201			Telephone No. 571-272-6873			

Form PCT/ISA/237 (cover sheet) (April 2005)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/13340

Box No. I Basis of this opinion			
1. With regard to the language, this opinion has been established on the basis of:			
the international application in the language in which it was filed			
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).	f		
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claim invention, this opinion has been established on the basis of:	ıed		
a. type of material			
a sequence listing			
table(s) related to the sequence listing			
b. format of material			
оп рарег			
in electronic form			
c. time of filing/furnishing			
contained in the international application as filed.			
filed together with the international application in electronic form.			
furnished subsequently to this Authority for the purposes of search.			
turnshied subsequently to this Authority for the purposes of search,			
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been file or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	:d ie		
4. Additional comments:			
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m PCT/ISA/237/Box No. D (April 2005)	- 1		

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/13340

Box No. V Reasoned statement under Rul applicability; citations and expl	e 43 bis.1(a)(i) with regard to novelty, inve- anations supporting such statement	ntive step or industrial
1. Statement		
Novelty (N)	Claims 1-27	YES
	Claims NONE	NO
Inventive step (IS)	Claims NONE	YES
	Claims 1-27	NO
Industrial applicability (IA)	Claims 1-27	YES
	Claims NONE	NO
. Citations and explanations:		
ordinary skill in the art to select GAP polymer as the stilize a well known reactive polymer in a well known claims 1-27 meet the criteria set out in PCT Article natter claimed can be made or used in industry.	vn application, such as in a delay composition of a	an initiator or detonator or fuse.

Form PCT/ISA/237 (Box No. V) (April 2005)